| Inde | x of | Claims |  |
|------|------|--------|--|
|      |      |        |  |

| Application No.   | Applicant(s) |
|-------------------|--------------|
| 10/659,987        | XIE ET AL.   |
| Examiner          | Art Unit     |
| MOHAMMAD Y SIKDER | 2872         |

| √ | Rejected |
|---|----------|
| 1 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla           | aim      | Date   |  |  |  |  | <b>]</b> :::::                                   | Claim Date Claim                                 |  |  |               |             |                 |                 |          |          |                         | Date     |          |          |      |       |          |               |               |        |  |  |                         |          |          |
|---------------|----------|--|--|--|--|--|--|--|--|--|---------------|-------------|-----------------|-----------------|----------|----------|-------------------------|----------|----------|----------|------|-------|----------|---------------|---------------|--------|--|--|-------------------------|----------|----------|
|               | <u></u>  |  |  |  |  |  |  |  |  |  |               |             | aí              |                 |          |          |                         |          |          |          |      |       | ā        |               |               |        |  |  |                         |          |          |
| Final         | Original | 8/4/04   |  |  |  |  |  |  |  |  |               | Final       | Original        |                 |          |          |                         |          |          |          |      | Final | Original |               |               |        |  |  |                         |          |          |
| 证             | ا يُق    | 8/4  |  |  |  |  |  |  |  |  |               | ፲           | Ori,            |                 |          |          |                         |          |          |          |      | 证     | Öri      |               |               |        |  |  |                         |          |          |
| -             | <u> </u> |  |  |  |  | ļ  | <del> </del> _                                   | _  | <u> </u>   | ļ  |               | <u></u>     |                 |                 | $\perp$  | $\bot$   | $\perp \perp$           | $\perp$  | $\perp$  | 4        |      |       |          | $\perp$       |               |        |  |  |                         | $\dashv$ | _        |
| 1             | 1        | =  | <u>                                     </u>     | _  | <del> </del>                                     | <del> </del>                                     | <u> </u>   | _  | <del> </del> _                                   | <u> </u>   |               | ļ           | 51              | -               | _        |          |                         | _        |          |          |      |       | 101      |               | _             | 1      | -  |  | $\sqcup$                | $\dashv$ | $\dashv$ |
| 2             | 2        | =  |  |  |  | ļ  | <u> </u>   | _  | <del>  -</del>                                   | ļ  |               | <u> </u>    | 52              |                 | _        |          |                         | _        |          | $\dashv$ |      |       | 102      |               |               | -      | -  |  | $\square$               |          | _        |
| 3             | 3        | =  |  |  | _  | -  | -  | -  | <u> </u>   | -  |               | <u> </u>    | 53              | $\vdash$        | -        |          | ┼┤                      | _        | +        | +        |      |       | 103      | _             |               | -      | -  |  |                         | $\dashv$ | $\dashv$ |
| 4             | 4        | =  |  |  |  | <del> </del>                                     | $\vdash$   | <del>                                     </del> |  | <u> </u>   |               |             | 54              |                 | -        | -+-      | ┤┤┤                     | -        | +        | 4        |      |       | 104      |               |               | +-     | -  |  |                         | $\dashv$ | $\dashv$ |
| 5             | 5        | =  | $\vdash$   | _  | ļ.   | -  | -  | -  | -  | _  |               |             | 55              | $\vdash$        | +        | +        | ╀╌┨                     | -        | -        | +        |      |       | 105      |               |               | +      | <del> </del>                                     |  |                         | $\dashv$ | ᅫ        |
| 6             | 7        | =  | _  | <u> </u>   |  | <del> </del>                                     | ļ  |  | -  |  |               |             | 56              | -               | -        | +        | +                       | -        | +        | +        |      |       | 106      | $\dashv$      | -             | +      |  |  |                         | $\dashv$ | $\dashv$ |
| 7             |          | =  |  | _  | -  | ├  | -  |  | -  |  |               |             | 57              | -               | +        |          | +                       |          |          |          |      |       | 107      |               | +             | +      |  |  |                         | $\dashv$ | $\dashv$ |
| 8             | 8        | =  | $\vdash$   |  | <del> </del>                                     | <del> </del>                                     | ├  | $\vdash$   | $\vdash$   | ├  |               | <u> </u>    | <u>58</u><br>59 | $\vdash$        | $\dashv$ |          | ╁┈┤                     |          | +        | $\dashv$ |      |       | 108      |               | - -           | ╁      | <del> </del>                                     |  |                         | $\dashv$ | $\dashv$ |
| 9             | 10       | <del> </del>                                     | $\vdash$   |  | ├  | -  | ┼─   | <del> -</del>                                    | -  | $\vdash$   | <b>!</b> :::: |             | 60              | -               | -        | +        | + - 1                   | $\dashv$ |          | +        |      |       | 110      | $\rightarrow$ | +             | +      | -  | -  |                         | $\dashv$ | ᅫ        |
| $\overline{}$ | 11       | =  |  |  |  | $\vdash$   | ├  | -  | -  | ļ  |               |             | 61              | -               | -        |          | ╂╼╂                     |          |          | +        |      |       | 111      | $\dashv$      | +             | +      | $\vdash$   |  |                         | $\dashv$ | $\dashv$ |
| 11            | 12       | =  |  |  |  |  | $\vdash$   |  | <del>                                     </del> | $\vdash$   |               |             | 62              | $\vdash$        |          | - -      | ╂                       |          |          | ╁┤       |      |       | 112      | -+            | $\dashv$      | +      |  |  |                         | $\dashv$ | $\dashv$ |
| 12            | 13       | =  | $\vdash$   | _  | -  | <del>                                     </del> | $\vdash$   | <del>                                     </del> | <del> </del>                                     | $\vdash$   |               | _           | 63              | <del>   </del>  |          | -        | +                       | -        | +-       |          |      |       | 113      | -             |               | +      | $\vdash$   |  | $\blacksquare$          | 十        | $\dashv$ |
| 14            | 14       | =  |  |  |  | <del> </del>                                     | $\vdash$   |  |  | $\vdash$   |               |             | 64              | -               | +        |          | 1-                      | $\dashv$ | +        | +-       |      |       | 114      | -             | +             | +      |  | $\vdash$   | $\vdash$                | $\dashv$ | $\dashv$ |
| 15            | 15       | =  | $\vdash$   |  |  |  | $\vdash$   |  | -  | $\vdash$   | <b>!</b> :::: |             | 65              | $\vdash \vdash$ | +        | - -      | +                       | -        | +-       | +-       |      |       | 115      | $\dashv$      | +             | +      |  | $\vdash$   | $\vdash \vdash \vdash$  | $\dashv$ | $\dashv$ |
| 16            | 16       | =  |  | _  |  |  | $\vdash$   | $\vdash$   |  | $\vdash$   |               |             | 66              | -               | -        | $\dashv$ | +                       |          |          | +        |      |       | 116      | $\dashv$      | $\dashv$      | +      |  | H  | $\vdash \vdash$         | $\dashv$ | $\dashv$ |
| 17            | 17       | =  | $\vdash$   | _  | -  | +  | $\vdash$   | -  | 1  | $\vdash$   |               | <del></del> | 67              |                 |          | +        | ╅┈┥                     | -        | -        |          |      |       | 117      | $\dashv$      |               | +-     | $\vdash$   | $\vdash$   | $\mid \rightarrow \mid$ | $\dashv$ | $\dashv$ |
| 18            | 18       | =  |  | _  |  | $\vdash$   | $\vdash$   |  | -  | <del> </del>                                     |               |             | 68              |                 |          |          |                         | -        | -        | +        |      |       | 118      |               | +             | +      | $\vdash$   | $\vdash$   | $\dashv$                | $\dashv$ | $\dashv$ |
| 19            | 19       | =  |  | $\vdash$   | H  | <del>                                     </del> | ┢  | -  | -  |  | licici        |             | 69              | -               |          |          | ╁┈╁                     | -        | +        | +        |      |       | 119      |               | $\dashv$      | 十      |  | _  |                         | -        | $\dashv$ |
| 20            | 20       | =  |  |  | -  | <del> </del>                                     | ├─   | <del>                                     </del> | ├  | ├  |               | -           | 70              |                 | +        | +        | +                       | +        | +        |          |      |       | 120      |               |               | +-     | +-   |  | $\dashv$                | -        | ᅱ        |
| 21            | 21       | =  |  | _  | ├  | ├  | -  | -  |  |  | <b> </b>      |             | 71              | -               | +        | +        | +                       | $\dashv$ | +        | +        |      |       | 121      |               |               |        | +  | _  | $\dashv$                | -        | ᅱ        |
| 22            | 22       | =  |  | -  |  | -  | $\vdash$   | -  | $\vdash$   | -  |               |             | 72              |                 | -        | +        | +                       |          | $\dashv$ | +        |      |       | 122      |               |               | ╂━     | ┼─   |  |                         | $\dashv$ | ᅱ        |
| 22            | 23       | -  |  | $\vdash$   | $\vdash$   |  |  | -  | -  | <del> </del>                                     |               |             | 73              |                 | +        | +        | +                       | $\dashv$ | $\dashv$ | +        |      |       | 123      |               |               | +-     | ┼-   |  |                         | $\dashv$ | ᅱ        |
|               | 24       |  | -  | <del>                                     </del> | ╁  | <del> </del>                                     | -  | -  | -  |  | {:::::        | <b></b>     | 74              | $\vdash$        | +        | +        | +                       | $\dashv$ | $\dashv$ | +        |      |       | 124      |               |               | +      |  |  |                         | $\dashv$ | $\dashv$ |
| -             | 25       |  | $\vdash$   |  | $\vdash$   |  | -  | -  | ┼  | -  |               |             | 75              | $\vdash$        | $\dashv$ | $\dashv$ | 1                       | $\dashv$ | $\dashv$ | +        |      |       | 125      | -             |               | +      | <del>                                     </del> |  |                         | 一十       | ㅓ        |
|               | 26       |  | -  |  | ╁─   | <del> </del>                                     |  | <del>                                     </del> | <del>                                     </del> | -  |               |             | 76              | $\vdash$        | +        | +        |                         | $\dashv$ | $\dashv$ | +-1      |      |       | 126      |               |               | +      |  |  |                         | $\dashv$ | 一        |
|               | 27       |  | _  |  | <del> </del>                                     | -  | -  | ├─   | ├─   |  |               |             | 77              | $\vdash$        | +        | +        | +                       | $\dashv$ |          | +        |      |       | 127      |               |               | +      |  |  |                         | $\dashv$ | ᅥ        |
| -             | 28       |  |  | <del></del>                                      | <del> </del>                                     | <del>  -</del>                                   |  | <del> </del>                                     | <del> </del>                                     | -  |               |             | 78              | $\vdash$        | +        | +        | +                       |          |          | +        |      |       | 128      |               | $\dashv$      | +      | $\vdash$   |  |                         | $\dashv$ | ᅥ        |
| <u> </u>      | 29       |  |  |  | <del> </del>                                     | -  |  | -  | $\vdash$   | -  |               | <u> </u>    | 79              | $\vdash$        | +        | +        | +                       |          |          | -        |      |       | 129      |               | _             | +      | ╁  |  |                         | 一十       | ᅱ        |
|               | 30       | -  |  | -  | <del> </del>                                     |  |  | $\vdash$   | +-   |  |               |             | 80              | $\vdash$        | +        | +-       | 1                       |          |          | +        |      |       | 130      |               | -             | +      |  |  |                         | $\dashv$ | ㅓ        |
|               | 31       | -  | _  |  | -  | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | <del> </del>                                     | -  |               | -           | 81              | $\vdash$        | $\dashv$ | ╌┼╾      | ┪                       |          | $\dashv$ | +-1      |      |       | 131      | _             | $\dashv$      | +      |  |  |                         | $\dashv$ | ᅥ        |
|               | 32       | -  |  | _  | <del> </del>                                     | -  | -  | -  | ├  | -  |               |             | 82              |                 | +        | +        | 1                       | $\dashv$ |          | +-       |      |       | 132      |               | +             | +      | <del>                                     </del> | _  |                         | $\dashv$ | $\dashv$ |
|               | 33       | -  | _  | —  | <del> </del>                                     | _  | $\vdash$   | <del> </del> -                                   | +  | -  | <b> </b>      |             | 83              | $\vdash \vdash$ | +        | +        | +-                      | $\dashv$ | +-       | +        |      |       | 133      | $\dashv$      |               | +      | $\vdash$   |  | $\vdash$                | $\dashv$ | $\dashv$ |
|               | 34       |  | <del>                                     </del> | _  | $\vdash$   | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | 1  | <del>                                     </del> |               | <b>—</b>    | 84              |                 | $\dashv$ | +        | +                       | +        | $\top$   | +        |      |       | 134      | -             | $\dashv$      | +      |  |  | $\square$               | $\dashv$ | $\dashv$ |
|               | 35       |  | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> |               | <u> </u>    | 85              |                 | _        | +        | +                       | $\dashv$ | $\dashv$ | +        |      |       | 135      | 1             | _             | +      | +-   | -  |                         | $\dashv$ | $\dashv$ |
|               | 36       | <del>                                     </del> | _  | <del> </del>                                     | <del> </del>                                     |  |  | <del>                                     </del> | <del>                                     </del> | $\vdash$   |               |             | 86              |                 | $\dashv$ | _        | +                       | -        | +        | +        |      |       | 136      |               |               | +-     | $\dagger$  |  |                         | $\dashv$ | $\dashv$ |
|               | 37       | <del>                                     </del> | -  |  | $\dagger$  | <del>                                     </del> | †  |  | <del>                                     </del> | <del>                                     </del> |               |             | 87              |                 | 十        | +        | +                       | $\dashv$ | $\dashv$ | +        |      |       | 137      | +             | +             | +      | <del>                                     </del> |  |                         | -        | $\dashv$ |
|               | 38       |  |  | -  | <del>                                     </del> | 1  | <del>                                     </del> | <del>                                     </del> | <del> </del>                                     | _  |               |             | 88              | $\vdash$        | +        | +        | +                       | $\dashv$ | $\dashv$ | ╅┈┤      |      |       | 138      | +             | $\dashv$      | +      | <del> </del>                                     | <b></b>  |                         | $\dashv$ | $\dashv$ |
|               | 39       | $\vdash$   |  |  | †  | 1  | <del>                                     </del> | -  | <del>                                     </del> |  |               |             | 89              |                 | +        | +        | $\dagger \exists$       | +        | -        | +        |      |       | 139      |               | $\neg \vdash$ | +      |  | _  | -                       | $\dashv$ | $\dashv$ |
|               | 40       | 1  |  | -  | <del>                                     </del> | †  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | <del>                                     </del> |               |             | 90              | $\vdash$        | -        | +        | +                       |          | $\dashv$ | +        |      |       | 140      | -             |               | +      | <del>                                     </del> |  |                         | $\dashv$ | ㅓ        |
|               | 41       |  | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  | <b> </b>      |             | 91              | $\vdash$        | +        | +        | 1-                      | $\dashv$ | $\top$   | +        |      | •     | 141      |               | $\dashv$      | +      |  | <del>                                     </del> |                         | +        | $\dashv$ |
|               | 42       | <del> </del>                                     |  |  |  | $\vdash$   | $\vdash$   |  | <del>                                     </del> | $\vdash$   |               |             | 92              |                 | +        | +        | $\top$                  | +        | $\dashv$ | +        | :::: |       | 142      |               | _             | +      |  | -  |                         |          | $\dashv$ |
|               | 43       |  |  | $\vdash$   |  | <u> </u>   | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> |  |               |             | 93              | $\Box$          | $\dashv$ | +        | 1                       | +        | +        | +        |      |       | 143      |               | $\top$        | $\top$ |  |  |                         | $\dashv$ | $\dashv$ |
|               | 44       | <b> </b>   |  | <u> </u>   | _  | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |  |  |               |             | 94              | $\vdash$        | _        | $\dashv$ | $\dagger \Box$          | _        | _        | +        |      |       | 144      |               | $\dashv$      | 1      | 1  |  |                         | 一        |          |
|               | 45       |  |  |  |  |  |  |  |  |  |               |             | 95              |                 | $\dashv$ | +        | $\top$                  | $\dashv$ | _        | +        |      |       | 145      | $\vdash$      | _             | +      | T  |  |                         | $\dashv$ | $\dashv$ |
|               | 46       | $\vdash$   |  |  |  | $\vdash$   | 1  | 1  | <del>                                     </del> | <del>                                     </del> |               |             | 96              | $\Box$          | $\dashv$ | +        | +                       | +        | +        |          |      |       | 146      | $\vdash$      | <del> </del>  | 1      |  |  | $\Box$                  | $\dashv$ | $\dashv$ |
|               | 47       | $\vdash$   |  | _  | <del>                                     </del> | $\vdash$   | 1  | 1  |  |  | 1:.:.:        |             | 97              |                 | +        |          | $\dagger \lnot \dagger$ | $\dashv$ | $\top$   | $\top$   |      |       | 147      | $\Box$        | 1             | +      |  |  |                         | $\dashv$ | $\dashv$ |
|               | 48       |  |  |  |  |  |  |  |  |  |               |             | 98              | $\vdash$        | +        | +        | +                       | +        | $\dashv$ | +        |      |       | 148      | _             |               | -      | 1  |  |                         | _        | 一        |
|               | 49       |  |  |  |  |  |  |  |  |  |               |             | 99              |                 | +        | 1        |                         | _        |          |          |      |       | 149      |               |               | 1      |  |  |                         |          | $\dashv$ |
|               | 50       | $\Box$   |  |  | 1  |  |  |  | $\Box$   |  |               |             | 100             |                 |          | $\top$   | $\top$                  | _        | $\neg$   |          |      |       | 150      |               |               | $\top$ | 1  |  |                         |          | ヿ        |